

Download Molecular Assembly Of Biomimetic Systems

Molecular Assembly of Biomimetic Systems [Junbai Li, Qiang He, Xuehai Yan] on Amazon.com. *FREE* shipping on qualifying offers. This handy reference details state-of-the-art preparation of molecular assemblies of biotechnologically relevant biomimetic systems (artificial proteins Fig. 1. Applications of surface-modified nanoparticles and, more broadly, nanostructures. Functional nanoparticle-surfactant combinations are involved in medical applications, structural materials, energy conversion processes, catalysts, as well as in cleaning and purification systems. In 1969 Schmitt used the term "biomimetic" in the title one of his papers, and by 1974 it had found its way into Webster's Dictionary, bionics entered the same dictionary earlier in 1960 as "a science concerned with the application of data about the functioning of biological systems to the solution of engineering problems". Nanotechnology ("nanotech") is manipulation of matter on an atomic, molecular, and supramolecular scale. The earliest, widespread description of nanotechnology referred to the particular technological goal of precisely manipulating atoms and molecules for fabrication of macroscale products, also now referred to as molecular nanotechnology.